BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Name of Work: Drilling of Borewell Surrounding area in Ward no. 05 Byatarayanapura Sub Division

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	10	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etcas per the directions of the Engineer-in-charge of the work .	Each BW	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise Only
2	500.00	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap 0.00 to 50 Mtrs as per the directions of the Engineer-in-charge of the work .	Rmtr	315.18	Rupees Three Hundred Fifteen and Eighteen Paise Only
3	500.00	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc. 50.00 to 100 mtrs as per the directions of the Engineer-in-charge of the work .	Rmtr	412.00	Rupees Four Hundred Twelve Only

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4	500.00	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc. 100.00 to 150 mtrs as per the directions of the Engineer-in-charge of the work .	Rmtr	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise Only
5	500.00	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc. 150 to 200 mtrs as per the directions of the Engineer-in-charge of the work .	Rmtr	484.10	Rupees Four Hundred Eighty Four and Ten Paise Only
6	500.00	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc. 200 to 250 mtrs as per the directions of the Engineer-in-charge of the work .	Rmtr	560.32	Rupees Five Hundred Sixty and Thirty Two Paise Only
7	500.00	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc. 250 to 300.00 as per the directions of the Engineer-in-charge of the work .	Rmtr	600.49	Rupees Six Hundred and Forty Nine Paise Only
8	700.00	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc. 300 to 370 Mtrs as per the directions of the Engineer-in-charge of the work .	Rmtr	622.00	Rupees Six Hundred Twenty Two Only
9	600.00	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) as per the directions of the Engineer-in-charge of the work .	Rmtr	1364.75	Rupees One Thousand Three Hundred Sixty Four and Seventy Five Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
10	100	Providing and fixing 250mm dia PVC pipe and as per specification and directions. as per the directions of the Engineer-in-charge of the work .	Rmtr	1133.00	Rupees One Thousand One Hundred Thirty Three Only
11	10	175 mm dia M.S. Casing cap as per the directions of the Engineer-in-charge of the work .	Each	103.00	Rupees One Hundred Three Only
12	100	M.S. Casing pipe collars 'C' Class as per the directions of the Engineer-in-charge of the work .	Each	154.50	Rupees One Hundred Fifty Four and Fifty Paise Only
13	220000.00	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm as per the directions of the Engineer-in-charge of the work .	Sqm	0.34	and Thirty Four Paise Only
14	500.00	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) as per the directions of the Engineer-in-charge of the work .	Per length	90.64	Rupees Ninety and Sixty Four Paise Only
15	10.00	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. as per the directions of the Engineer-in-charge of the work .	No's	475.00	Rupees Four Hundred Seventy Five Only
16	30.00	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete as per the directions of the Engineer-in-charge of the work .	No.	150.00	Rupees One Hundred Fifty Only
17	350.00	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable as per the directions of the Engineer-in-charge of the work .	Mtr	169.95	Rupees One Hundred Sixty Nine and Ninety Five Paise Only
18	350.00	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces as per the directions of the Engineer-in-charge of the work .	Mtr	56.65	Rupees Fifty Six and Sixty Five Paise Only
19	30.00	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm as per the directions of the Engineer-in-charge of the work .	Mtr	294.58	Rupees Two Hundred Ninety Four and Fifty Eight Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
20	10.00	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia as per the directions of the Engineer-in-charge of the work .	No's	1699.50	Rupees One Thousand Six Hundred Ninety Nine and Fifty Paise Only
21	10.00	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, as per the directions of the Engineer-in-charge of the work .	No's	271.92	Rupees Two Hundred Seventy One and Ninety Two Paise Only
22	10.00	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches (P.NO - 521, I.NO - 2 (f), as per the directions of the Engineer-in-charge of the work .	No's	311.58	Rupees Three Hundred Eleven and Fifty Eight Paise Only
23	10.00	Borewell Cap and Clamp Set as per the directions of the Engineer-in-charge of the work .	Set	1800.00	Rupees One Thousand Eight Hundred Only
24	3.00	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 17.50 HP 30 stage as per the directions of the Engineer-in-charge of the work .	No	72126.00	Rupees Seventy Two Thousand One Hundred Twenty Six Only
25	7.00	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 20 HP 40 stage as per the directions of the Engineer-in-charge of the work .	No	90595.00	Rupees Ninety Thousand Five Hundred Ninety Five Only
26	3350.00	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class as per the directions of the Engineer-in-charge of the work .	Rmtr	415.00	Rupees Four Hundred Fifteen Only

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27	560.00	Supply and fixing Collar for GI Pipes 50MM as per the directions of the Engineer-in-charge of the work .	No's	180.00	Rupees One Hundred Eighty Only
28	7300.00	Supplying of submersible pump cable 1X3X6..0 Sq.mm as per the directions of the Engineer-in-charge of the work .	Mtr	144.00	Rupees One Hundred Forty Four Only
29	10.00	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with star delta starter (MR) as per the directions of the Engineer-in-charge of the work .	No.	21000.00	Rupees Twenty One Thousand Only
30	10.00	Supplying & delivery of brand 50mm Gate Valve. as per the directions of the Engineer-in-charge of the work .	No's	1800.00	Rupees One Thousand Eight Hundred Only
31	10.00	Supplying & delivery of brand 50mm Non Return Valve. as per the directions of the Engineer-in-charge of the work .	No's	1800.00	Rupees One Thousand Eight Hundred Only
32	10.00	Supplying and fixing MCB as per the directions of the Engineer-in-charge of the work .	No's	900.00	Rupees Nine Hundred Only
33	1741.50	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications as per the directions of the Engineer-in-charge of the work .	Cum	316.94	Rupees Three Hundred Sixteen and Ninety Four Paise Only
34	3870.00	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete as per the directions of the Engineer-in-charge of the work .	Mtr	394.32	Rupees Three Hundred Ninety Four and Thirty Two Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
35	**1741.50**	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications as per the directions of the Engineer-in-charge of the work .	Cum	128.26	Rupees One Hundred Twenty Eight and Twenty Six Paise Only

"DJS APPROVED"

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Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))